Scott. II-48—27,258-

P. W (192) Departmen

1918 SERIES.

(1) Recd
(2) Wkg A
W.S

G.O. No.	602
DATED	10-4-1920

10/4/20 21.4.2

AJB
17/4/20

[Despatch Abstract.]

-B.11 y-M Trad. L. Sec. 1-D

700,

14,314—24-10-18.

C.F.—31

SECRETARIAT GOVERNMENT PUBLIC WORKS
13 MAR 1920

Public Works **DEPARTMENT.**

Received ..... 191 . *Registered* 191

Subject.

Manual Training School, Bellary.

G.O. No. 618 Dated 13/3/1920

ENCLOSURES.
No. .....
.....
Spare copies .....

No. 2069

Station Bellary . *Dated the* 8th March 1920 191

To

From (Name) J.M.M. Parker, Esqr.,

(Designation) Superintending Engineer, III Circle.

Enclosures
1 file of original estimate
1 agreement
Copy of EE&no 1255/25.2.20, Extract from EE&no 5652/23.10.19, para 7, & EE&no 7896/12.9.18/18, all in one sheet
Deviation statement in duplicate
Data statements in duplicate

To The (Memo) Chief Engineer, P.W.D., (Buildings & Roads)

Madras.

Sir, Memo

Reference:- Your No. 681-C. dated the 24th January 1920

With reference to your No. 681 C. dated the 24th January 1920, I have the honour to submit herewith a comparative statement showing the deviations from the sanctioned estimate, for the work of constructing a Manual Training School in the compound of the Government Training School, Bellary. This estimate was sanctioned in G.O. No. 1316-W., dated the 7th November 1918.

2. The circumstances connected with the carrying out of this work have been dealt with at length in this office letter No. 8002 dated the 17th September 1919, enclosing a copy of this office letter No. 8001 dated the 17th September 1919 to the Executive Engineer, Bellary Division, and again in this office No. 10348 dated the 12th December 1919.

PPN-7 of even no 681 C & 24.1.20 (N).

PPN-2 of even no 681 C & 24.1.20 (N).

3. I do not propose, therefore, to deal further with the facts of the case, but submit the deviation statement with explanations of the rates allowed, or reference to sanctions to rates which had already been accorded by the Superintending Engineer. Part of the work was done prior to 31st March 1919, and is estimated for, and was paid for, at rates then current in the schedule, or otherwise specially approved by the Superintending Engineer. A pieceworker tendered in December 1918 at estimate rates; but this tender was never formally accepted. I do not propose, therefore, to bind him to these rates, but to allow him the benefit of the provisional increase in schedule rates sanctioned by the Superintending Engineer in his No. 7896 dated the 12/18th September 1918 (extract enclosed), as it is apparent that the Superintending Engineer considered the original schedule rates unworkable. All work done subsequent to 31st March 1919 is, for the same reason, estimated for and will be finally paid at the schedule of rates current for 1919-1920 with such other special rates as sanctioned by the Superintending Engineer in his letter No. 8001 dated the 17th September 1919, to the Executive Engineer, Bellary Division referred to above.

P5 infra

PP 2-6 q memo no 681 C & 24.1.20 (Flag N)

4. Data statement accompanies the deviation statement which gives full data for the rates with marginal reference to the various special sanctions of the Superintending Engineer referred to above. For example, the rate for burnt stone in lime mortar in foundations and superstructure, as per original estimate, is Rs. 31-0-0; for work done prior to 31st March 1919 as per data based on special rates allowed in the Superintending Engineer's No. 7896 dated the 12/18th September 1918, Rs. 34-12-0; for work done subsequent to 31st March 1919 as per sanctioned schedule of rates for 1919-1920 Rs. 38-4-0; similarly for superstructure.

P5 infra

5. Data are worked out for flat archwork giving a rate of Rs. 48-4-0. This work is not ashlar, but is of specially selected stone and the rate is fair.

6. There is considerable excess on item No. 14. This is due

this is due to increase in rate as specially sanctioned by the Superintending Engineer in his No. 8001 dated the 17th September 1919. As regards teakwood, item No. 16, I am unable to offer any explanation beyond that already furnished in the correspondence quoted above and to enclose copies of the Executive Engineer's No. 1255 dated the 28th February 1920, and of para No. 7 of the Executive Engineer's letter No. 5652 dated the 23rd October 1919, upon which the late Superintending Engineer has already commented.

7. Regarding item No. 17, in March 1919, Karimaradu scantlings were purchased by the Executive Engineer at the rate of Rs. 3-5-0 per Cft, exgodowns, from one, Ananthasambiah of Kurnool. The rate at site worked up to Rs. 4-1-0 and for working and putting up including nails to Rs. 5-6-0. I do not think the rate is unreasonable and it may be accepted. Prices were rising sharply and the schedule rate for junglewood in scantlings delivered at Bellary, rose to Rs. 5-10-0 in 1919-1920.

8. Items 18 to 21:- No data were given in the original ~~data~~ sanctioned estimate for these items. The rates, however are fair for the time at which the estimate was prepared. Part of this work, i.e. the making of frames, was done prior to March 1919, but the manufacture of doors and windows with iron work and fittings was carried out later, at the time when prices of woodwork, labour, and especially iron work, were ruling high. I therefore propose a general increase of 10% on these 4 items and recommend acceptance.

9. Item 23. Data for the rate of Rs. 1-13-0 per Sft are appended. The Superintending Engineer has approved of this rate in his Nos. 2979 dated the 8th April 1919 and 8001 dated the 17th September 1919. For items 26, 27 & 28, the rates have been approved by the Superintending Engineer in his No. 8001 dated the 17th September 1919 already referred to. As regards item No. 29, the excess is due to the high cost of paint purchased from P.W. stores Madras. Data based on actual rates are attached.

(10) The remaining items call for no remarks.

11. The work has been completed and the building handed over to the Educational authorities on the 5th September 1919

12. This deviation statement is therefore prepared and submitted for favour of obtaining the early sanction of the Government to the

6

Copy of Bellary Division Executive Engineer's No. 1255 dated the 25/28th February 1920.

In submitting herewith a new revised estimate I beg to submit the following with regard to the price of the teak beams. Current rates were enquired into with the following results.

1. Local enquiry was made and no beams were available and the Local contractor had not been able to get them from Mysore.

2. One firm reported (by telegram) signed sleeper that the beams were not available.

3. Messrs. Janakiram of Madras reported "cut sizes exhausted".

4. Anamad Labbai Sahib offered at a godown rate of Rs. 9-8-0 to Rs. 10/- provided an advance of Rs. 500/- was given and the longs were cut at our risk.

5. Messrs. Desikachari & Messrs Devarajulu Naidu offered at Rs. 10/- in Madras as the timbers were of large size the incidental charges of conveyance &c amounted to Rs. 1-8-0, and hence the total rate of Rs. 11-8-0 for delivery at site plus Rupee one for erection &c.

6. As regards other items the rates approved by you in Memo. No 7896 dated the 12/18th September 1918 (some of which were omitted in the original estimate) are now included. Also the rates approved in your No. 8001 dated the 17th September 1919 are included, and for work done after 31st March 1919, the schedule rates of 1920 are

P.W.D. V. 59 (a)—12,365—24-10-19

Data sheet to accompany the estimate for _____

Quantity	Description of work.	Rate.	Per	Amount.	Total.
		A. P.		RS. A. P.	
	(13) Flooring with Cuddapah slabs and pointed with Portland cement over verandah reatining wall		100 Sft.		
1[illegible] Sft	Cuddapah slabs 1½" to 2" thick including wastage 10 % at Yerraguntla.	0-0-11	Sft	6-4-1[illegible]	
100 Sft	Pointing with Portland cement as per item Sch. 230.	3-0-0	Sft 100	3-0-0	
	Add for trainage and cartage of cement.			0-4-0	
Nos. 2	Stone cutters for dressing.	1-0-0	each	2-0-0	
No. 1	Mason for laying.	1-0-0	,,	1-0-0	
Nos. 2	Men coolies.	0-8-0	,,	1-0-0	
No. 1	Women cooly.	0-4-0	,,	0-4-0	
100 Sft or 30.6 [illegible] Mds	Railway freight from Yerraguntla to Bellary 121 miles.	0-0-3/10	per Md per mile.	6-14-0	(3/10 pie per md per mile
3 Bundies	Cartage from railway station Bellary to site one mile or 3 trips i.e., ½ day.	2-0-0	Day	1-0-0	
	Sundries and watering charges			0-8-2	
	Total.			22-0-0	Rate appd by SE in 8001 17.9.19
	(14) Madras terracing 9" thick with brick on edge 3" of well burnt on concrete, three courses of flat tiles and 2 coats of plaster 100 Sft.				
100 Sft	As per item No. 234 excluding sundries.	55-7-10	100 Sft	55-7-10	
3700	Terrace bricks and flat tiles cartage 2 miles.	0-8-0	1000	1-13-7	
30 Cft	Lime carted 2 miles.	2-8-0	100 Cft	0-12-0	
55 Cft	Sand carted 2 miles.	4-0-0	,,	2-3-2	
25 Cft	Brick jelley carted 2 miles.	4-0-0	,,	1-0-0	
	Sundries.			0-3-5	
	Total.			61-8-0	Rate appd by SE in no 8001 17-9-19
	(15) Mangalore tiled roofing with Karimarudu reepers &c. complete 100 Sft.				
158	Mangalore pattern tiles including breakage.	100-0-0	1000	15-12-10	
110 Rft	Reepers 2" x 1" Karimarudu at Madras.	7-0-0	100 Rft	7-11-2	
	Add for trainage.	~~0-8-0~~	~~1lb~~	0-8-0	
½ lb	Nails.	0-8-0	lb	0-4-0	
			Co	24 4	

B F 24-4-0

6.25 lbs.	Flat iron wind ties 10" x 1½" x ¼"	0-8-0	lb	3-2-0
6	Iron screws 4" for fixing ties	0-0-6	each	0-4-6
1/8	Carpenter.	1-0-0	each	0-8-0
1/4	Bricklayer.	1-0-0	,,	0-4-0
3/4	Man cooly.	0-8-0	,,	0-6-0
1	Woman cooly.	0-4-0	,,	0-4-0
6	Drilling holes for wind ties.	0-1-0	,,	0-6-0
	Mortar for ridge and chunam borders at ends.		L.S.	0-5-
158 Nos. or 10.5 Mds.	Trainage from Bangalore to Bellary 205 miles.	0-0-0.37 per mile	per Md.	4-2-4
L.S.	Loading and unloading charges.			0-8-0
4/5	Cartage from Bellary station to site one mile.	0-5-0	cart	0-4-10
	S u n d r i e s.			0-0-4
	Total.			35-4-0

Rate applied in S 2000 8001 17/1/19

(16) Teakwood wrought and put in beams.

118.75	Special sized teak beams 15' x 18" x 10" bought of P. DeVarajulu & Sons Madras in March 1919 ex-godown at Rs. 10/- per Cft and including carting Railway freight &c. at work site	1265-10-0	As per T.F. accepted by the DC vide DL no. 1255 28/2/20 Copy enclosed
	Therefore for one Cft	11-8-0	
	Add for labour charges at site including fixing as per ~~schedule~~ schedule item No. 250.	1-0-0	
	Total.	12-8-0	

(17) Karimarudu wood wrought and put up Cft.

158.53 Cft	Nallamaddi scantlings bought of Anantha Samaiah and Co in March 1919 ex-godowns at Kurnool including railway freight carting &c.	3-5-0		642-10-0	As per T.F. accepted by the DC vide DL no 1255 28.2.20 Copy enclosed
	Therefore for 1 Cft.			4-1-0	
Cft	Labour and fixing charges including nails as per schedule item No. 257.	1-0-0	Cft	1-0-0	
	Total.			5-0-0	

Note. The schedule rate for Bellary Town for Mai Yang wood wrought and put up for 19-20. is Rs. 7-0-0.

(23) Fixed glazed clerestory ventilators with Karimarudu frames wire netting &c. complete

As per type design C.A. No. 15 of 1910.

For one ventilator 4' x 1-6 x or 6 Sft

Karimarudu frames 2' x 2-0 x ~~2-6~~ 2'-2" x ~~1-6~~ 1'-6" = 0.625

Intermediate sashes 2' x 3' x 5" x 1½" x 1½" = 0.070

Total. .695 or .70 Cft.

	per sketch in data								
26. String course including pointing.	1/6 Rft	2-8-0	33	.175	0-4-0	44	11		Rate 0-2-0 per Rft approved in S.E.'s Lr. No. 8001 dated 17-9-19. Data furnished.
27. Plastering with lime mortar 3/4" thick.	31.50	6-8-0	205	26.66	7-4-0	208	3		Savings in quantity 2.84 Sq.rs. Rates 7-4-0 approved by S.E. in No. 8001 dated 17-9-19. Data given.
28. Pointing walls with lime mortar.	36.30.	2-8-0	91	38.44	2-11-0	103	12		Excess in quantity 2.14 sq.rs. against saving of 2.84 in item 27. Rate approved by S.E. in No. 8001 dated 17-9-19. Data given
29. Painting doors & windows with any approved paint 2 coats.	12.00	3-0-0	36	12.00	4-0-0	48	12		Rate of Rs. 4-0-0 as per cost of paint ~~in dented from L.~~ Sup'd by workslips, Ledger, Data given.
30. Painting with solignum 2 coats.	18.00	2-0-0	36	18.00	2-0-0	36			
31. Fixing wood work set into masonry two coats.		L.S.	3		L.S.				
32. Providing blackboard		L.S.	5					5	Not supplied. Hence Savings Rs. 5/-
33. Providing iron bars to the opening in the end wall of verandah including extra charges for dressing side stones.,					L.S.	10	10		This was approved by S.E. in No. 8001 dated 17-9-19. A lump sum of Rs. 10/- is provided. The piece worker will be paid on actual measurements.
34. Clearing site and levelling ground.					L.S.	20	20		Found necessary during execution. Not provided in the original estimate. The piece worker will be paid on actual measurements. Proportionate to the increase in case of work. Actuals.
						403	63		
Contingencies at 5 % petty supervision.			340			242		58	
			340						
			7104			8700	1913	317	
Total deduct original amount of Sanction			7104			7104	317		
			Net excess requiring sanction.			1596	1596		

Completed and handed over on 8-1-19
Contractor's accounts remain to be settled.

G.O.P. 1316W 7-11-18

41

STATION, Bellary

Dated 9-3-1920

J.M. Auden 10/3/20.

Supdg. Engineer.
III Circle.

K.D. 9/3/20.

9/3/20

10. Flat archwork split stone in lime mortar.	1.80	35-0-0	70	1.70	45-4-0	82	12	Data attached as per schedule of rates for 11-20. Savings in quantity trifling.
11. Cutstone work dressed and put up.	95	1-0-0	95	56.38 52.51	1-0-0 1-0-0	58 53	16	Upper figure represents work done before 31-3-19 and lower portion after 31-3-19. Excess in quantity and value due to provision of cutstone for openings 4' x 6' in the end wall of verandah and stone steps instead of masonry
12. Flooring with local bricks in lime mortar over a bed of sand 12" thick well watered and rammed and pointed with lime mortar.	13.20	17-12-0	234	13.26	21-12-0	288	54	Data attached for higher rates. were approved vide No. 8001 d/ 17-9-19
13. Flooring with Cuddapah slabs and pointed with Portland cement over verandah retaining wall	1-0-0	15-0-0	15	1.05	22-0-0	23	8	Excess in quantity actuals and trifling. Data enclosed & Approved by S.E. in No. 8001 dated 17-9-19.
14. Masonry work in [illegible] thick with brick on edge &c.	12.25	53-0-0	648	12.25	61-8-0	758	104	Data for higher rates enclosed and approved by S.E. in No. 8001 dated 17-9-19.
15. Bangalore tiled roofing over Korimaradu roepers &c. complete.	15.20	27-8-0	143	5.37	35-4-0	196	53	Excess in quantity actuals and trifling. Data attached for rates and approved by S.E. in No. 8001 dated 17-9-19.
16. Teakwood wrought and put up in beams.	119	6-12-0	803	118.75	12-8-0	1484	681	Data enclosed. Cost of [illegible] work for teak beams in March 1919 as per 7 F. Accounts is 11-8-0. Adding Re. 1/- for labour the rate arrives at 12-8-0 vide data enclosed and copy of E.E's No. 5652 d/ 23-10-19 and 1255 d/ 25-5-20 / extract enclosed
17. Karimaradu wood wrought and put up.	166	4-8-0	747	158.66	5-6-0	854	107	Data enclosed. Actual cost in March 19 as per F-F Accounts for scantlings at site is 4-1-0 per Cft. Adding 1-5-0 per Cft for labour and nails the rate is 5-6-0. Savings in quantity as per actuals due to the end joists and rafters being omitted as not necessary during execution vide data and ~~copies of E.E's Nos. 5652 d/ 23-10-19 and~~ 1255 dated 25/5/20 enclosed.

STATION,

Dated 19

Executive Engineer.

Duplicate copy

ESTIMATE FORM.—Comparative Statement of Differences.

Description of work.	Original estimate.			Revised estimate. Deviation Statement			More	Less	Explanation of difference.
	Quantity.	Rate.	Amount.	Quantity.	Rate.	Amount.			
1	2	3	4	5	6	7	8	9	0
		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.	
Constructing a Manual Training School at Bellary.									
1. Earthwork excavating foundations in stiff loam and gravely soil.	4.000	5-14-0	24	3.769	7-0-0	26	2		Rate of Rs. 7/- in accordance with wages of coolies approved by C.E. in No. 7862 dated 18-3-15.
2. Earthwork filling in basement.	0.410	3-0-0	1	0.410	3-0-0	1			
3. Removing the existing compound wall at North end and joining with new work.					L.S.	20	20		The North end wall was ordered by the S.E. to be built (as noted in the order book) following the line of compound wall which had therefore to be removed and rebuilt. Hence extra provision of Rs. 20/-
4. Cutting and removing trees from foundations.					L.S.	2	2		Trees at site of work had to be cut down during execution. Actuals.
5. Blasting and benching rock.					L.S.	41	41		Rock in N.W. and N.E. corner had to be benched. Actuals as per Nominal Muster Roll maintained and explosive supplied.
6. Concrete broken stone 1 lime mortar.	5.50	51-12-0	282	11.62	25-12-0	299	97		The south half of the foundations had to be taken 6" deeper to get the gravely soil as per E.E's No. 454 d/ 27-1-15. Hence increase in quantity. Data for 25-12 attached.
7. Burnt stone in lime mortar in foundations.	20.20	31-0-0	626	17.01	34-12-0	591		35	Upper figures denote work done before 31st March 15 and rates and lower figures that after 31-3-15. Items 7 & 8 Depth of founds reduced to 2'-6" as good gravel was met with at higher level and basement increased to 2' hence excess in quantity in item 8 and decrease in item No. 7. Total savings in quantity in items 7, 8 & 9 are 1.48 units. Data attached.
8. -do- in basement	7.00	31-0-0	217	8.88 0.18	34-12-0 36-4-0	309 7	99		
9. -do- in superstructure	38.50	33/-	1315	21.15 17.00	36-12-0 40-4-0	777 684	146		

ESTIMATE FORM.—Comparative Statement of Differences.

Description of work.	Original Estimate.			~~Revised Estimate~~ Deviation Statement			More	Less	Explanation of difference.
	Quantity.	Rate.	Amount.	Quantity.	Rate.	Amount.			
1	2	3.	4	5	6	7	8	9	10
		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.	
18. Karimarudu wood doors 1/3 panelled and 2/3 ventilated with frames hinges and fastenings &c complete.	112	2-0-0	224	115	2-0-0	245	21		Doors and windows with Karimarudu frames and yegi wood shutters with necessary fittings &c. were approved by S.E. in No. 1386 dated 13-2-1919. A general increase of 10 % in rates is now allowed vide covering letter.
19. Karimarudu wood doors fully panelled with frames hinges, fastenings &c. complete.	54	1-13-0	98	54	2-0-0	108	10		
20. Karimarudu wood windows ventilated with frames hinges &c. complete.	160	2-1-0	330	160	2-4-3	363	33		
21. Karimarudu wood windows fully panelled &c. complete.	24	1-13-0	44	24	2-0-0	48	4		
22. Plain glazed ventilators with frames &c. Complete.	90	1-4-0	113					113	Vide remarks against item No. ~~23~~ 23. below
23. Fixed glazed clerestory ventilators with Karimarudu frames, wire netting &c. complete				90	1-13-0	163	163		A fixed clerestory glazed ~~[illegible]~~ C.A. No. 15 of 1910 was approved by S.E. in No. 2975 d/ 8-4-15 and rate of Re. 1-13-0 approved by S.E. in No. 6001 dated 17-5-15 Data given.
24. Cornice work including plastering.	175	Ft 0-6-0	66					66	Savings Rs. 66/-. Stone cornice as per sketch given in data was adopted vide item No. 20 below.
									Stone cornice work as per sketch given in

P.W.D. F. 15—8,027—23-10-19 (5).

E. No. 36.

CIRCLE—Third

DIVISION—Bellary

DISTRICT— do

ESTIMATE FORM.—Comparative Statement of Differences.

To accompany the Revised Estimate No. of 19 , for

Constg a manual training school at Bellary

Amount of orgl Estimate Rs 7104
(G.O No 1316 W dt. 7-11-18)

Amount as per deviation statement } Rs 8700

Excess requiring sanction } Rs 1596

---

* Here enter the name and description of work in full.

C.E's rates 15

Manual Training School, Bellary

Dated: C.No 618 M&A From Hon. S.E III no. 2019 & 10.3.20

DW.

The estimate amounting to Rs 7,104 for the Construction of a Manual Training School in the Compound of the Govt Train School, Bellary was approved by Govt. in G.O. no 1316W & T. 11. 1918. The work has now been completed & the buildings handed over to the Educational Authorities on the 5th Sept 1919. The S.E now submits a Duration Statement for the early sanction of Govt to the excess of Rs 1596 over the original sanction, as the Contractor's claims shall await adjustment. The excess is stated to be due to accruals in execution and to the increased rates recommended to be paid to the Contractor. The S.E proposes to pay the Contractor at the Schedule of rates current at the time the various items of work were executed & and at special rates sanctioned by him for certain items where the S.E considers the Schedule rates unworkable As the excess is more than 10% the sanction of Govt is necessary. Before recommending

Vide para 11 of the SE's letter at p3 Cf

Rs
(Originally sanctioned) Amount 7104
(Govt no 1316 W dt 7.11.18 & CR no 62 of 1918-19)
Amount as per Duration Statt. 8,700
Rs. 1,596

Vide Comparative Statt of Differences set up below — Remarks Column

This was no accepted agreement to bind the Contractor

Vide para 39 SES letter at p2 Cf

Q vide SE's no 7896 dt 18.9.19 at p5 Cf
√ para 9 of SE's letter no 8002 dt 17.9.19 (P5 Cf
Means 681 C dt 24.1.20)

Kumar 'N'

Secrt. II—10 (a)—86,003—21-1-18. (6)

P. W. DEPARTMENT.

Bouleruyo — Bellary — Manual Training School — Deviation Statement (Rs 8,700) approved

Bouleruyo Education —

READ AGAIN G.O. No. 1316W., dated 7. 11. 1918.

" " " " " 191 .

READ ALSO:—

C. No. 618 WSA From the S E III, No. 2019, dated 10. 3. 1919.

" " " " " 191 .

" " " " " 191 .

ORDER. No. 602 W, dated 18—4 1920.

Thro

Close Cnos 618 WSA & 811 WSA

The deviation Statement amounting to Rs 8,700 for the work of Constructing a Manual Training School in the Compound of the Government Training School, Bellary, ~~forwarded~~ ~~by S E III with his letter read~~ above is approved.

PPI-bcf

To

The S. E. III circle

With Data Sheet, + Deviation Statt.

Agreement + original estimate

" Hones (S&C), Secft.

" A. G. Rao

~~Transfer Account~~ Copy

SD 22.3.20

DESPATCHED 16 APR 1920

for JS (BTR)

FD